FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION			DOCKET NUMBER APPLICATION NUMBER FGT 223							
			APPLICANT(S)							
		FILING DATE		C	GROUP ART UNIT					
		U.S. PA	TENT DOCUMENT	S		•		 -	-	
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		С	LASS		LASS		IL. DATE APPROP.
M	4,779,528	10-25-88	Bruke	-	7-		Τ.			
ll	4,926,823	5-22-90	Kishi et al			_				
U	4,965,741	10-16-90	Cook et al							
h	5,236,332	8-17-93	Satou et al		,	<u>-</u>	_			
U	5,280,770	1-25-94	Satou et al		-	_	-			
U	5,422,811	6-6-95	Togai		-					
A	5,515,828	5-14-96	Cook et al				_			
b.	5,548,514	8-20-96	Hasegawa et al							
U	5,600,056	2-4-97	Hasegawa et al			.				
a	5,647,312	7-15-97	Salber et al			-				
be	5,669,341	9-23-97	Ushirono et al			_		-		
		FOREIGN P	ATENT DOCUMEN	ITS	.					
	DOCUMENT NUMBER	DATE	COUNTRY	CL	ASS	SU		YES	RANSI	ATION NO
M	S55-49549	4-10-80	JP	-						
u	S55-29002	3-1-80	JP	-			,			•
K	1 054 148	5-18-00	EP	-	· .		_	<u>.</u>		
		OTHER	R DOCUMENTS	•						
Wes .	RONALD J. PIEI System", SAE Te	RIK et al, "Design a chnical Paper No. 2	nd Development of a Me 001-01-1221, March 6-9	chani , 2000	cal V), pp.	ariab 1-8	le V	alve A	ctuati	ion
N	MARTIN PISCH	INGER et al, "Bene	fits of the Electromechar 223, March 6-9, 2000, pp	nical V	/alve		n in '	Vehicle	Оре	eration",
le	M.J. VAN NIEUWSTADT et al, "Air Change Estimation in Camless Engines", SAE Technical Paper No. 2001-01-0581, March 5-8, 2001, pp. 1-8									
XAMINER	11/11		DATE CONSIDERED				-			
$\underline{\hspace{1cm}}$	unos			6-	1.7	- 2	9	/		•

FORM PTO-	1449		DOCKET NUMBER		Τ.		<u> </u>				
10.0.1			DOCKET NUMBER APPLICATION NUMBER								
)	FORMATION DISC ATION IN AN APP	•	APPLICANT(S)								
			FILING DATE		G	ROU	P AI	RT UN	IIT		
		U.S. PA	TENT DOCUMENT	ΓS							==
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		C	LASS		SUB LASS		FIL. DATE IF APPROP	
k	5,678,402	10-21-97	Kitagawa et al		1-				<u> </u>		
4	5,743,221	4-28-98	Schmitz							· · · · · · · · · · · · · · · · · · ·	
Ú	5,746,183	5-5-98	Parke et al								
4	5,765,514	6-16-98	Sono et al				-	_			
h	5,950,603	9-14-99	Cook et al								
h.	6,000,376	12-14-99	Hess et al		-			_			
4	6,023,929	2-15-00	Ma				_	_			
4	6,039,026	5-21-00	Shiraishi et al		-			-			
4	6,098,585	8-8-00	Brehob et al		_	_		-,			
h	6,116,210	9-12-00	Oder et al		-	_		-			
h	6,138,636	10-31-00	Kohno et al		_		_				
		FOREIGN P	ATENT DOCUME	NTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CL	ASS .	SU CLA		T YES		LATION N	
				+				TES			_
		OTHER	R DOCUMENTS	<u>l</u>							
6	LUCIEN KOOPN Compression Igni September 24-27,	IANS et al, "A four tion Mode with Cor	Stroke Camless Engine nmercial Gasoline", SA	e, Oper E Tech	ated inica	in Ho I Pape	mog er No	eneou o. 200	s Ch: 1-01-	arge 3610,	
U	WOLFGANG SA	LBER et al, "Syner	gies of Variable Valve A March 4-7, 2002, pp. 1-9	Actuati	on ar	ıd Dir	ect l	Injecti	on'',	SAE	
M	"Operation of the	Electronic Valve A - Preliminary Versi	ctuation, Ford EVA Pro on III, March 21, 2003,	iect Cl	osed n part	Loop	Eng	ine, S; 6, 72,	ysten 80-8	n 34, 89-	
XAMINER	Mul	1/10	DATE CONSIDERED	10			-1 -1	っこ	/		-
							<u> </u>				

FORM PTO-1449			DOCKET NUMBER APPLICATION NUMBER					
	ORMATION DISCI		APPLICANT(S)					
		FILING DATE	GI	GROUP ART UNIT				
		U.S. PA	TENT DOCUMENTS			· · · · · · · · · · · · · · · · · · ·		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL		SUB LASS	FIL. DATE IF APPROP.	
dy	6,219,611	4-17-01	Russell		_ _		7.36.4.4.	
Ü	6,247,445	6-19-01	Langer					
M	6,276,316	8-21-01	Arai et al			-	· · ·	
11	6,332,446	12-25-01	Matsumoto et al		- -	_		
Á	6,336,355	1-8-02	Sasaki et al		- -	-		
4	6,341,584	1-29-02	Itoyama et al			_		
M	6,349,541	2-26-02	Gruden et al	-	_	<u> </u>		
U	6,374,813	4-23-02	Iida et al	-	-	-		
4	6,386,156	5-14-02	Stockhausen et al	_	_	_		
4	6,390,063	5-21-02	Obata et al			<u> </u>		
li	6,408,806	6-25-02	Sugiyama et al		_			
		FOREIGN P	ATENT DOCUMENTS	S				
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS	SLATION NO	
		OTHE	R DOCUMENTS					
XAMINER	11.111	1/1-	DATE CONSIDERED	_ /5	-09	- (
		1 CO	1 10	_ (_ /	-01			

FORM PTO-1	1449		DOCKET NUMBER APPLICATION NUMBER						
	ORMATION DISCL ATION IN AN APPLI		APPLICANT(S)						
				FILING DATE			T UNIT	Γ	
	·	U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	·DATE	NAME .	·	CLASS		UB ASS		DATE PROP.
de	2002/0096139	7-25-02	Zheng						
Щ	6,425,369	7-30-02	Arai et al				-		
Ù/	6,431,129	8-13-02	Hammoud et al			-	-		
y	6,431,130	8-13-02	Leone et al			-			
4	6,443,108	9-3-02	Brehob et al	*-		_	,		
. 6	6,453,662	9-24-02	Lewis et al			_	,		
u	6,453,665	9-24-02	Bower Jr. et al	-		_	-		
Ū	6,457,465	10-1-02	Lee	-		_	_		
1	6,474,303	11-5-02	Leone et al				_		1
U	6,311,667	11-6-02	Satou et al				-		
M	6,481,201	11-19-02	Kako et al				-		
		FOREIGN PA	ATENT DOCUMEN	ГS					
	DOCUMENT NUMBER	DA6336355TE	COUNTRY -	CLA		ЛВ ASS	TR YES	ANSLAT	NO NO
	·								i .
,		OTHER	DOCUMENTS			<u>-</u>			
									· .
EXAMINER /	MM		DATE CONSIDERED	17	~ D=0	4			

FORM PTO-1449		•	DOCKET NUMBER APPLICATION NUMBER					BER	-	
	ORMATION DISCL	· · · · · · -	APPLICANT(S)							
CH					GROUP ART UNIT					
. IIS PAT			LENT DOCUMENT	<u>l.</u>						=
EXAMINER	DOCUMENT	DATE	NAME		CLASS	s	UB	F	IL. DATE	
INITIAL	6,484,677	11-26-02	Loons et al		· · · · · · · · · · · · · · · · · · ·		ASS		APPROP.	_
- //	6,470,853	 	Leone et al				-			
4	-··	11-29-02	Leone et al			-	-	<u>. </u>		
4	6,497,093	12-24-02	Lewis et al			_	_		· · · · · ·	
- 4	6,502,389	1-7-03	Katayama et al			_		 _		
4	2003/0015026	1-23-03	Chung			-	_		-	
4	6,513,493	2-4-03	Robichaux et al			_				
U	6,532,944	3-18-03	Leone et al			<u> </u>	_			
M	6,550,434	4-22-03	Leone et al	-		_	_	-		
4	6,557,505	5-6-03	Hori							
	6,568,177	5-27-03	Surnilla			-	_			
1	6,591,605	7-15-03	Lewis			_	_			
		FOREIGN P	ATENT DOCUMEN	TS	 ,					_
	DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLASS	SU		TR YES	ANSL	ATION NO)
										7
										7
		OTHE	R DOCUMENTS							4
										4
				· · · · · · · · · · · · · · · · · · ·						\dashv
			•							-
XAMINER	////	//	DATE CONSIDERED	_	······································					╣
//	MM	80		0-1	17	a c	1			

FORM PTO-	1449	•	DOCKET NUMBER	DOCKET NUMBER APPLICATION NUMBER APPLICANT(S)						
	FORMATION DIS ATION IN AN AP		APPLICANT(S)							
			FILING DATE	FILING DATE			GROUP ART UNIT			
		U.S. PA	TENT DOCUMEN	TS		-				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	FIL. DATE IF APPROP.			
_U	6,619,262	9-16-03	Graf et al							
\mathcal{M}_{-}	6,629,409	10-7-03	Lewis et al							
11	6,640,756	11-4-03	Ogiso							
·							ar.			
							-			
	· · · · · · · · · · · · · · · · · · ·		·	\						
							. •			
<u> </u>		FOREIGN P	PATENT DOCUME	NTS			•			
	DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLA	SS SU	B T SS YES	RANSLATION NO			
							·			
	<u> </u>									
		OTHE	R DOCUMENTS							
										
	· · · · · · · · · · · · · · · · · · ·									
	7									
CAMINER	1.1/1/	1/-	DATE CONSIDERED	10	2-	201				
////	NUN			0	12-	09				

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

COPHINE IOT 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/805,651

Filling Date 03/19/2004

First Named Inventor Lewis

Art Unit

Examiner Name

(Use as many sheets as necessary)
Sheet 1 of 1 Attorney Docket Number 81092775

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code ^{2 (F Annuar)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
He		^{US-} 6,192,857	02/27/2001	Shimada	
		US-			
	_	US-			
		US-			
		US-			
		US-		·	
	,	US-			
		US-			
		US-	· · · · · · · · · · · · · · · · · · ·		
		US-			
		US-			······································
		US-			
		U\$-			<u> </u>
		US-			
		US-			

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ 'Nind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	₽å			
			ľ						
					·				
			<u> </u>			Γ			

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English tanguage Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patant and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SE/08# (08-03)

PTC/SEIORs (08-03)
Approved for use through 0731/2006, Uses 0851-0031
U.S. Patrict and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patrict and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patrict and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patrict and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patrict and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patrict and Trademark Office; U.S. DEPARTMENT OF COMMERCE Substitute for form 1669A/PTO Application Number <u> 10/805651</u> 03/19/2004 Pling Date INFORMATION DISCLOSURE First Named Inventor Lewis STATEMENT BY APPLICANT

Art Unit Examiner Name

(Line of Framy sheets as recession) 81092775 Attorney Docket Number Sheet U.S. PATENT DOCUMENTS Pagas, Columne, Lines, Where Reterrent Passages or Relevant Name of Palantes or Applicant of Clad Document Poblication Date Document Number Fluxes Appear Number-Kind Cook^{2 P h} Yamaki et al. 03-20-2001 6,202,608 us-Torium1 04-23-2002 TIV. 6,374,783 ŲŠ. Ш3 119 10 ÚS-ÚS-(EL 119. ΠĈ US-US Œ ш ΉE U3-U3-FOREIGN PATENT DOCUMENTS Name of Patentee or Applicant of Cited Document Pages, Columns, Lines, Where Reterant Passages Publication Cate Foreign Patent Cocumen M-000-YYYY x Relevant Figures Appear Coursey Coust New Own Tributy Couls (Filtermen)

Examiner Signature group of not distinct is in Consumeron with MPEP 60%. Draw line through citation if not in contomparce and not considered. Include copy of this form with next communication to applicant. I Applicant's union dissipation number (options). 2 See Kinds Codes of USPTO Patent Documents at www.ushto.cog or ADPEP 901 (a. 3 Firms Office that based the document, by the two-letter code (WPO Standard St.3). 4 For USPTO Patent Documents at www.ushto.cog or ADPEP 901 (a. 3 Firms Office that based the document, by the two-letter code (WPO Standard St.3). 4 For Usps://www.ushto.cog.month.cog or ADPEP 901 (a. 3 Firms Office that based the document, by the two-letter code (WPO Standard St.3). 4 For Usps://www.ushto.cog or ADPEP 901 (a. 3 Firms Office that based the document, by the two-letter code (WPO Standard St.16 if possible). 6 Applicant in to place a Check mark terre if English tanguage Toppishole as Indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant in to place a Check mark terre if English tanguage.

10-

Considered

the appropriate symbols as indicated on the opcument union many many diseased or properties an appropriate symbols as indicated. This collection is attended to obtain or retain a banefit by the public which is to Ge (and by the This collection of information is required by 37 CFR 1.97 and 1.98. The information is negligible to obtain or retain a banefit by the public which is estimated to time 2 hours to compress. URPTO in process) as symbols on, compensating pathening, preparing, and submitting the completed application form to the URPTO. Three sets vary depending upon the individual case. Any comments including pathening, preparing, and submitting the completed application form to the URPTO. Three sets vary expending upon the individual case. Any comments on amount of three year require to complete the form graffor suggestions for medicing the case, about the sent to the Chief information Officer, U.S. Patient on the amount of the year patient of Comments and Comments (CMC). U.S. Department of Comments and VI.S. Apartments, VA 22313-1459. DO NOT SEND FEES OR COMMENTS TO THIS and CREEKS. SEND TO: Committee for Patients. P.O. Box 1459, Alexandria, VA 22313-1459.

If you need assistance in complaining the form, call 1-800-PTO-9149 and select option 2.